

## **Abstract**

The invention relates to a method for carrying out a so-called "blind handover" in an intersystem and interfrequency handover in mobile communication systems and builds on the fact that before the handover a mobile station is supplied by several base stations, i.e., in addition to the supplying base station, it can also receive signals from several other base stations. According to the invention a propagation time measurement is carried out at the air interface by the mobile station of the signals received from the base stations. The measured propagation times are transmitted to one of the base stations. Thereupon the residence site of the mobile station is determined on the part of the mobile communication network based on the transmitted propagation time measurement data. With the aid of a data base, subsequently and based on the determined residence site, at least one suitable base station for an intersystem or interfrequency handover is selected, and the data of the selected base station required for a handover are transmitted to the mobile station. Based on this information the mobile station can carry out the handover to the selected base station.